



SEQUENCE LISTING

11. *Scientific, Technical,
Business, Chemical, etc.*

1120. TRANSGENIC MICE CONTAINING NUCLEAR
HORMONE RECEPTOR GENE DISRUPTIONS

1130. R-126

1140. US 59 883,093
1141. 2001-06-14

1150. US 60 252,300
1151. 2000-11-20

1150. US 60 223,464
1151. 2000-06-07

1150. US 60 211,835
1151. 2000-06-14

1160. 4

1170. FastSEQ for Windows Version 4.0

1210. 1
1211. 1332
1212. DNA
1213. *Mus musculus*

1400. 1
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atcggaaca gt 1332

1210. 1
1211. 236
1212. NBT

<213> Mus musculus

<411> 1

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Thr | Ala | Met | Leu | Thr | Leu | Glu | Thr | Met | Ala | Ser | Glu | Glu | Glu | Tyr |
| 1 | | | 5 | | | | | | 10 | | | | | 15 | |
| Gly | Pro | Arg | Asn | Cys | Val | Val | Cys | Gly | Asp | Arg | Ala | Thr | Gly | Tyr | His |
| | | 20 | | | | | | 25 | | | | | 30 | | |
| Phe | His | Ala | Leu | Thr | Cys | Glu | Gly | Cys | Lys | Gly | Phe | Phe | Arg | Arg | Thr |
| | | 35 | | | | | 40 | | | | | 45 | | | |
| Val | Ser | Lys | Thr | Ile | Gly | Pro | Ile | Cys | Pro | Phe | Ala | Gly | Arg | Cys | Glu |
| | 50 | | | | 55 | | | | | 60 | | | | | |
| Val | Ser | Lys | Ala | Gln | Arg | Arg | His | Cys | Pro | Ala | Cys | Arg | Leu | Gln | Lys |
| 65 | | | | 70 | | | | | 75 | | | | | 80 | |
| Cys | Leu | Asn | Val | Gly | Met | Arg | Lys | Asp | Met | Ile | Leu | Ser | Ala | Glu | Ala |
| | | | 85 | | | | | 90 | | | | | | 95 | |
| Leu | Ala | Leu | Arg | Arg | Ala | Arg | Gln | Ala | Gln | Arg | Arg | Ala | Glu | Lys | Ala |
| | | 100 | | | | | 105 | | | | | | 110 | | |
| Ser | Leu | Gln | Leu | Asn | Gln | Gln | Gln | Lys | Glu | Leu | Val | Gln | Ile | Leu | Leu |
| | 115 | | | | | | 120 | | | | | 125 | | | |
| Gly | Ala | His | Thr | Arg | His | Val | Gly | Pro | Leu | Phe | Asp | Gln | Phe | Val | Gln |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Phe | Lys | Pro | Pro | Ala | Tyr | Leu | Phe | Met | His | His | Arg | Pro | Phe | Gln | Pro |
| 145 | | | | 150 | | | | | 155 | | | | | 160 | |
| Arg | Gly | Pro | Val | Leu | Pro | Leu | Leu | Thr | His | Phe | Ala | Asp | Ile | Asn | Thr |
| | | | 165 | | | | | 170 | | | | | | 175 | |
| Phe | Met | Val | Gln | Ile | Ile | Lys | Phe | Thr | Lys | Asp | Leu | Pro | Leu | Phe | |
| | 180 | | | | | | 185 | | | | | 190 | | | |
| Arg | Ser | Leu | Thr | Met | Glu | Asp | Gln | Ile | Ser | Leu | Leu | Lys | Gly | Ala | Ala |
| | 195 | | | | | 200 | | | | | | 205 | | | |
| Val | Glu | Ile | Leu | His | Ile | Ser | Leu | Asn | Thr | Thr | Phe | Cys | Leu | Gln | Thr |
| | 210 | | | | | 215 | | | | | 220 | | | | |
| Glu | Asn | Phe | Phe | Cys | Gly | Pro | Leu | Cys | Tyr | Lys | Met | Glu | Asp | Ala | Val |
| 225 | | | | 230 | | | | | 235 | | | | | 240 | |
| His | Ala | Gly | Phe | Gln | Tyr | Glu | Phe | Leu | Glu | Ser | Ile | Leu | His | Phe | His |
| | | | 245 | | | | | 250 | | | | | 255 | | |
| Lys | Asn | Leu | Lys | Gly | Leu | His | Leu | Gln | Glu | Pro | Gln | Tyr | Val | Leu | Met |
| | 260 | | | | | | 265 | | | | | 270 | | | |
| Ala | Ala | Thr | Ala | Leu | Phe | Ser | Pro | Gly | Phe | Cys | Met | Gln | Ser | | |
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<210> 3

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

<223> Targeting vector

<400> 3

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| gagggtcag | gtggggcagt | ctggggaaga | gattctgtag | aggagagaga | agagagtcct | 120 |
| aggccagc | gtgatttctt | aactctctcc | acattcagga | gaccatgaca | gctatgctaa | 180 |
| catagaaacc | atggccagtg | | | | | 200 |

<210> 4

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

<113> Targeting vector

<4> 4

| | | | | | | |
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| acacacatga | ggttgcacaa | ttgtttaa | gttggatga | ggaaagatg | tgatttggt | 121 |
| cttaccgttc | caggatgca | ttagtcttc | tctgctttc | ttcaggttc | cacagcaggt | 181 |
| agagtyagot | gttggaaacc | | | | | 240 |